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NOTICE OF ALLOWANCE AND FEE(S) DUE

826

7590

09/01/2009

ALSTON & BIRD LLP BANK OF AMERICA PLAZA 101 SOUTH TRYON STREET, SUITE 4000 CHARLOTTE, NC 28280-4000 EXAMINER

REISNER, NOAM S

ART UNIT PAPER NUMBER

2862

DATE MAILED: 09/01/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/591.717	09/05/2006	Masavuki Sassa	045616/316564	3161

TITLE OF INVENTION: IMAGE SHOOTING APPARATUS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$0	\$0	\$755	12/01/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

appropriate. All further	correspondence includir ed below or directed oth	g the Patent, advance of	rders and notification of r	naintenance fees wil	l be mailed to the current	should be completed where t correspondence address as arate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
	ERICA PLAZA YON STREET, SU			Certif	icate of Mailing or Trans		
CHARLOTTE,	NC 28280-4000					(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	A	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/591,717	09/05/2006		Masayuki Sassa		045616/316564	3161	
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE I	FEE TOTAL FEE(S) DUE	E DATE DUE	
nonprovisional	YES	\$755	\$0	\$0	\$755	12/01/2009	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
REISNER	, NOAM S	2862	396-322000				
Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON			or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent attorned in the listed, no name will be THE PATENT (print or type)	of up to 3 registered patent attorneys alternatively, of a single firm (having as a member a rney or agent) and the names of up to attent attorneys or agents. If no name is e will be printed.			
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`	are submitted: No small entity discount p # of Copies	permitted)	b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo	d. Form PTO-2038 i	s attached.		
	s SMALL ENTITY statu	is. See 37 CFR 1.27.			ENTITY status. See 37 C	FR 1.27(g)(2). he assignee or other party in	
NOTE: The Issue Fee an interest as shown by the	records of the United Sta	tes Patent and Trademark	u from anyone other than t c Office.	ue appucant; a registe	ered autorney or agent; or t	ne assignee or other party in	
Authorized Signature				Date			
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10/591,717	09/05/2006	Masayuki Sassa	045616/316564 3161			
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ALSTON & BIR	D LLP	REISNER,	NOAM S			
BANK OF AMER		ART UNIT	PAPER NUMBER			
101 SOUTH TRYO CHARLOTTE, NO	ON STREET, SUITE 4 C 28280-4000		2862 DATE MAILED: 09/01/200	0		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 472 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 472 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/591,717	SASSA, MASAYUKI	
Notice of Allowability	Examiner	Art Unit	
	NOAM REISNER	2862	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to Applicant's Arugment	(OR REMAINS) CLOSED i or other appropriate comm GHTS . This application is and MPEP 1308.	n this application. If not included unication will be mailed in due cou	rse. THIS
2. ☑ The allowed claim(s) is/are <u>1-4</u> .	<u>3/Nemarks med </u>		
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	been received.	•,	
Copies of the certified copies of the priority do	cuments have been receive	d in this national stage application	from the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	IENT of this application.		
INFORMAL PATENT APPLICATION (PTO-152) which give	es reason(s) why the oath o		02 01
5. X CORRECTED DRAWINGS (as "replacement sheets") mus			
(a) including changes required by the Notice of Draftspers	_	w (PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			k) of
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			the
Attachment(s)	5 Notice of Ir	oformal Datant Application	
 Notice of References Cited (PTO-892) D Notice of Draftperson's Patent Drawing Review (PTO-948) 	 -	nformal Patent Application Summary (PTO-413),	
	Paper No.	/Mail Date	
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 	/. □ Examiners	Amendment/Comment	
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	8. ⊠ Examiner's 9. □ Other	Statement of Reasons for Allowar	ıce

DETAILED ACTION

This is a response to the Applicant's amendment submitted on 5/14/2009. In virtue of this amendment, claims 1-4 are now present in the instant application.

Drawings

1. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because Fig. 15 of the amended drawings contains a clear error. Fig. 15 shows the tri-splitting means as being shifted so that it intersects the optical path length adjusting member 1502 and the incident light rays are no longer aligned with the reflective surfaces of the tri-splitting means. Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Response to Arguments

2. Applicant's arguments, see Applicant's Arguments/Remarks Made in an Amendment, filed 5/14/2009, with respect to claims 1-4 have been fully considered and are persuasive. The rejections of claims 1-4 have been withdrawn.

Regarding claim 1, Applicant has amended the claim to indicate that all of the incident light which strikes the bi-splitting means is split into three portions when the trisplitting means is used. The prior art of record does not disclose the newly added limitation, but rather uses a subset of the incident light to be split into three portions as

the incident light which is split into two portions. Since the prior art of record does not meet the new claim limitation the rejection to claim 1 has been withdrawn.

Regarding claims 2-4, claims 2-4 are dependent on claim 1; therefore the rejections of those claims have been withdrawn for substantially the same reasons as were stated regarding claim 1, above.

Allowable Subject Matter

3. Claims 1-4 are allowed.

Regarding claim 1, the prior art fails to disclose or fairly suggest an image shooting apparatus in which "the bi-splitting and tri-splitting devices [are] configured such that all of the incident light that is split into two split light portions by the bi-splitting device is split into three split light portions by the tri-splitting device" in combination with the remaining claim limitations recited in claim 1.

Regarding claims 2-4, claims 2-4 are dependent on claim 1, and are allowed for substantially the same reasons as were stated regarding claim 1, above.

4. As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NOAM REISNER whose telephone number is (571)270-

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Art Unit: 2862

7542. The examiner can normally be reached on Monday thru Friday from 7:30am to 5:00pm with every alternate Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Assouad, can be reached at (571)272-2210. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/N. R./ Examiner, Art Unit 2862 8/6/2009 /WB Perkey/ for Patrick Assouad, SPE of Art Unit 2862